

means for rotating the rotor assembly with respect to the case; and
means for preventing rotation of the rotor assembly until the translating means linearly translates the rotor assembly.

5. (New) A method for operating an electric motor comprising:
restraining the rotation of a rotor assembly when the rotor assembly is in a first position;
energizing a translate coil, the energized coil interacting with the rotor assembly to linearly move the rotor assembly from the first position to a second position where the rotor assembly is free to rotate; and
A' energizing a rotation coil, said energized rotation coil interacting with the rotor assembly to rotate the rotor assembly.

6. (New) An electric motor comprising:
a case;
a rotor assembly, the rotor assembly residing inside the case, the rotor supported by the case for linear and rotary motion;
a first stator assembly residing inside the case, the stator having unequally spaced poles to induce the rotor to turn in a predetermined direction;
a second stator assembly residing inside the case to induce linear motion in the rotor; and
a restraining device, the restraining device preventing rotation of the rotor assembly until the rotor assembly is linearly moved by the second stator assembly.